User Manual

For HD Cameras

Version 1.0 - 140915

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Notice: Certain functions mentioned in this manual may vary according to camera's model. For example, pan and tilt function are for Pan/Tilt enabled cameras only.

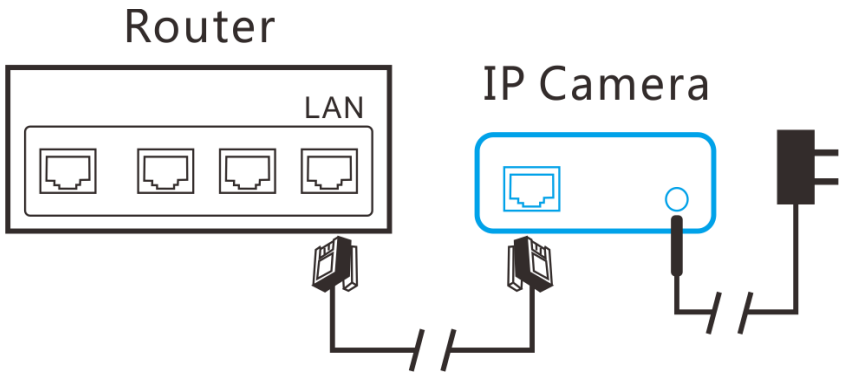
Basic Operation

This section will focus on connecting your IP camera, software installation, basic operation of the interface including pan/tilt, video, audio, etc. Other settings will be explained in later chapters.

Notice:
For your security, please update the camera's default password once you finish the following procedure and you can turn to camera settings for reference.

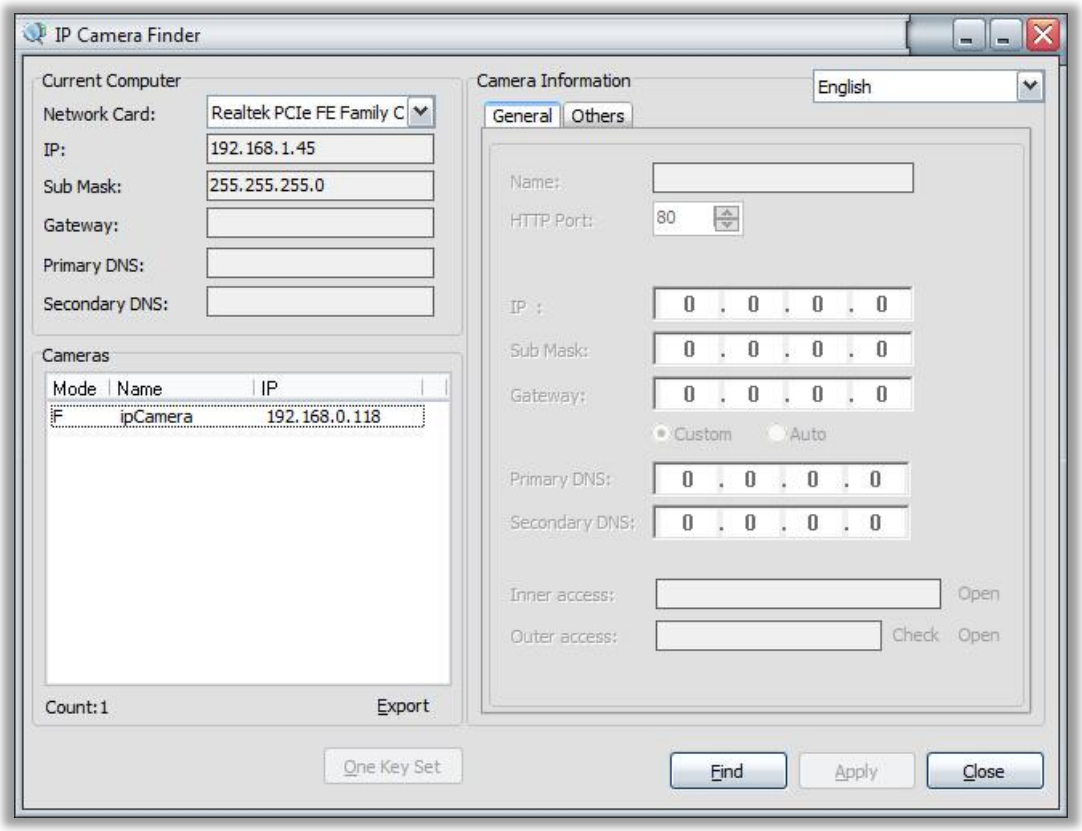
Hardware Installation

Open the package. Connect the camera to your router by a network cable and plug it in with the provided AC adapter.



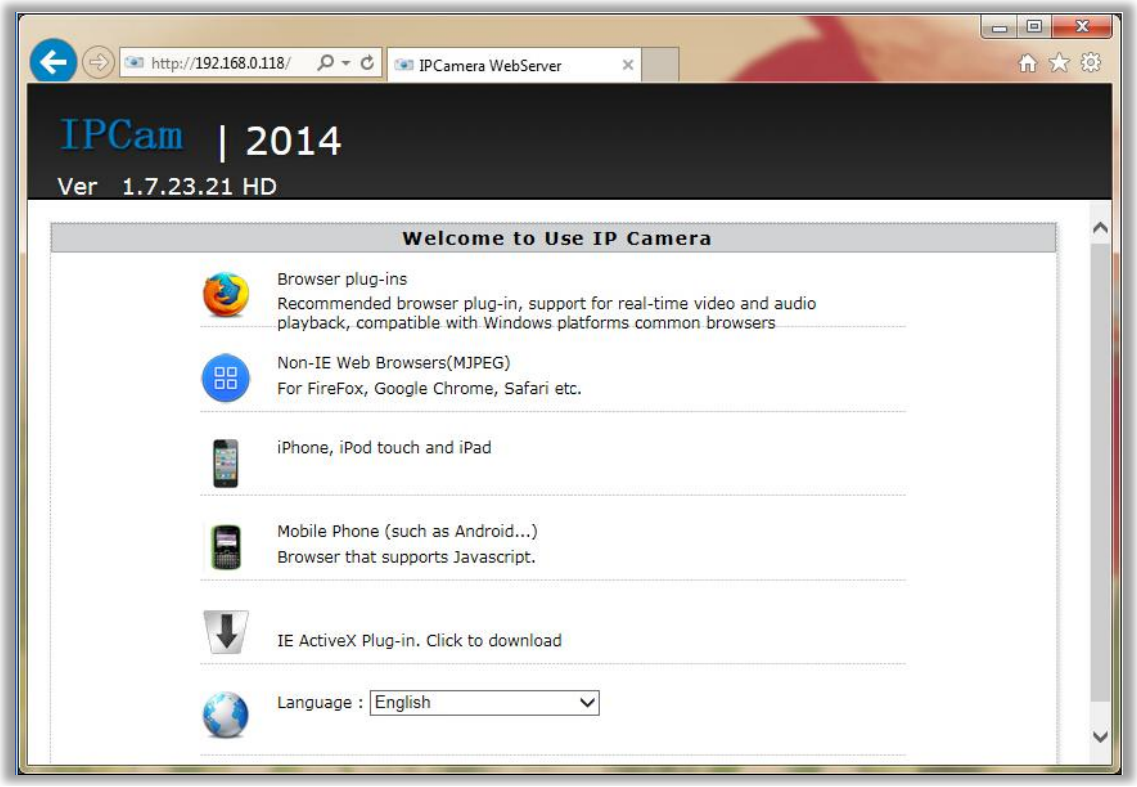
Live Video in Windows

1. Run **IP Camera Finder** in CD's Windows folder.

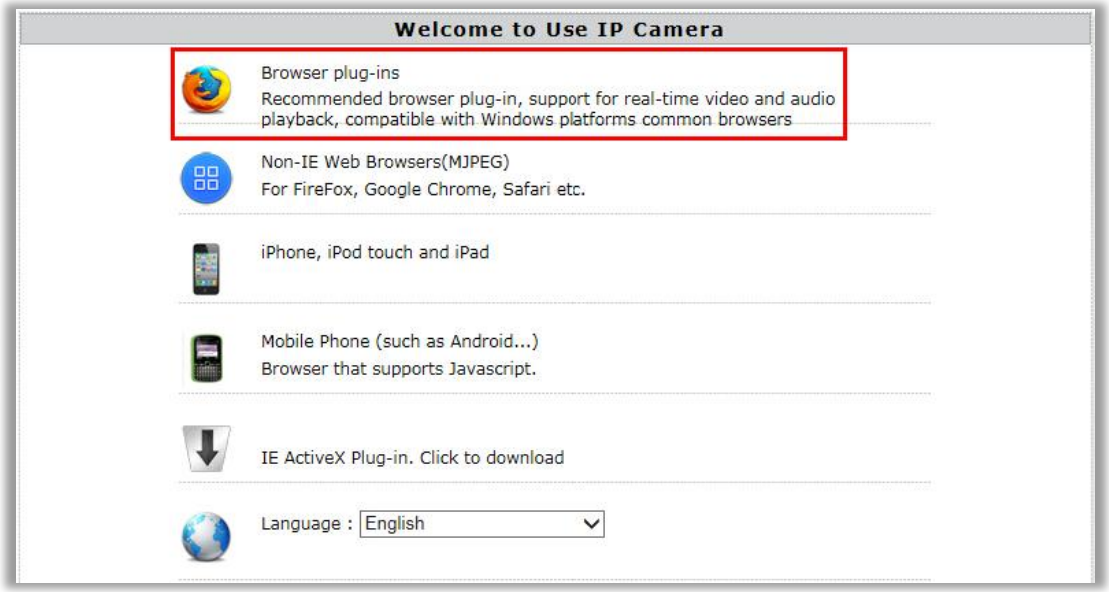


2. Double click the IP camera listed in the camera list to access the camera in web browser, the camera's username and password will be required. The default username is admin. There is no password by default, so leave the password field blank.

Windows Security
The server 192.168.0.118 is asking for your user name and password. The server reports that it is from IPCamera_Web.
Warning: Your user name and password will be sent using basic authentication on a connection that isn't secure.
User name
Password
Remember my credentials
OK
Cancel


http://192.168.0.118/
IPCamera WebServer
IPCam | 2014
Ver 1.7.23.21 HD
Welcome to Use IP Camera
Browser plug-ins
Recommended browser plug-in, support for real-time video and audio playback, compatible with Windows platforms common browsers
Non-IE Web Browsers(MJPEG)
For FireFox, Google Chrome, Safari etc.
iPhone, iPod touch and iPad
Mobile Phone (such as Android...)
Browser that supports Javascript.
IE ActiveX Plug-in. Click to download
Language : English

3. Select **Browser Plug-ins**


Welcome to Use IP Camera
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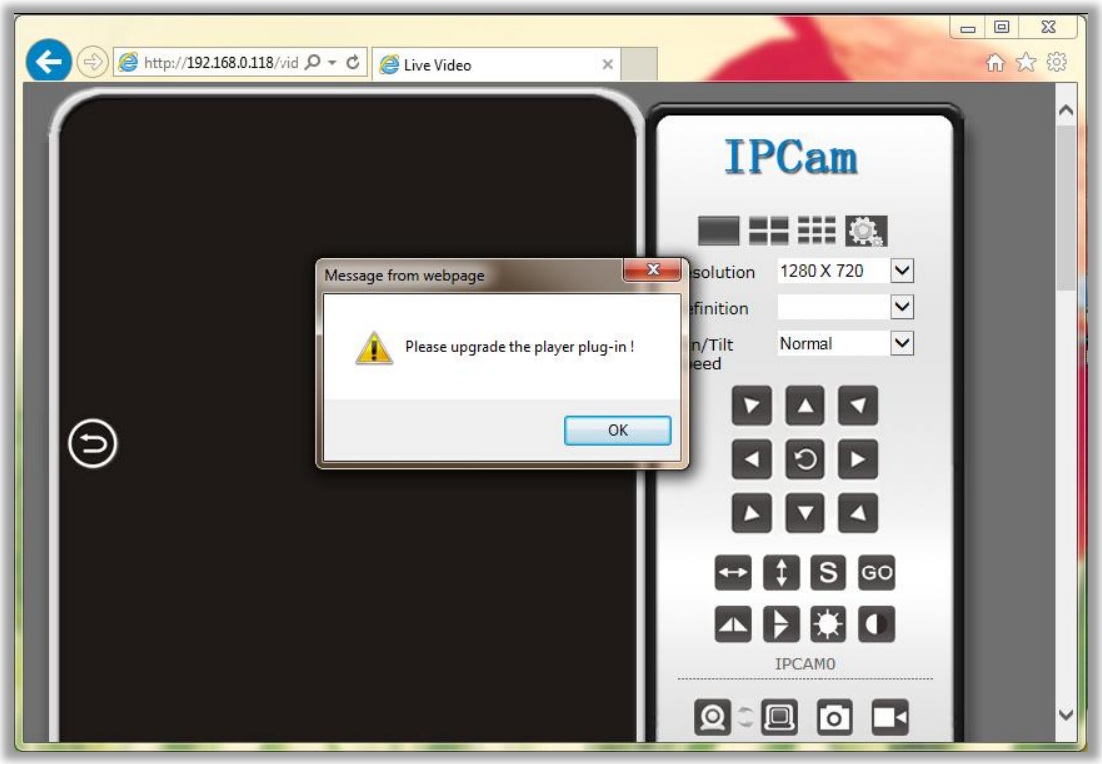
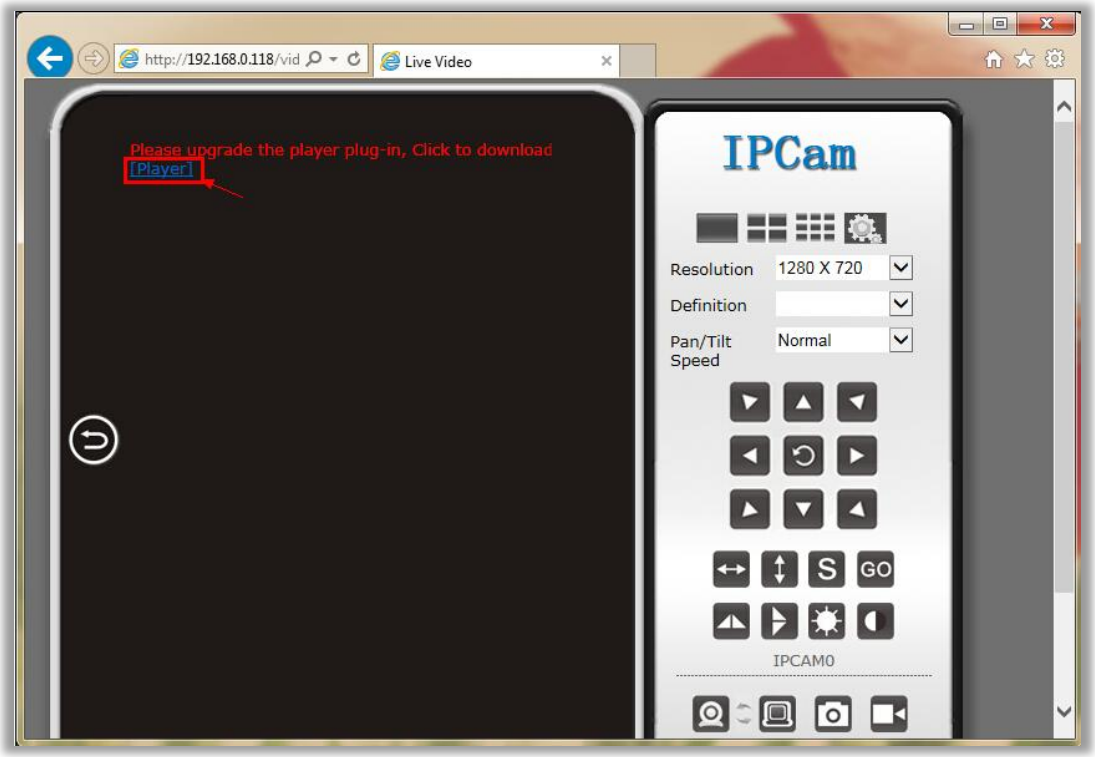
Recommended browser plug-in, support for real-time video and audio playback, compatible with Windows platforms common browsers
Non-IE Web Browsers(MJPEG)
For FireFox, Google Chrome, Safari etc.
iPhone, iPod touch and iPad
Mobile Phone (such as Android...)
Browser that supports Javascript.
IE ActiveX Plug-in. Click to download
Language : English

4. The web browser will show a message **Please upgrade the plug-in!**.

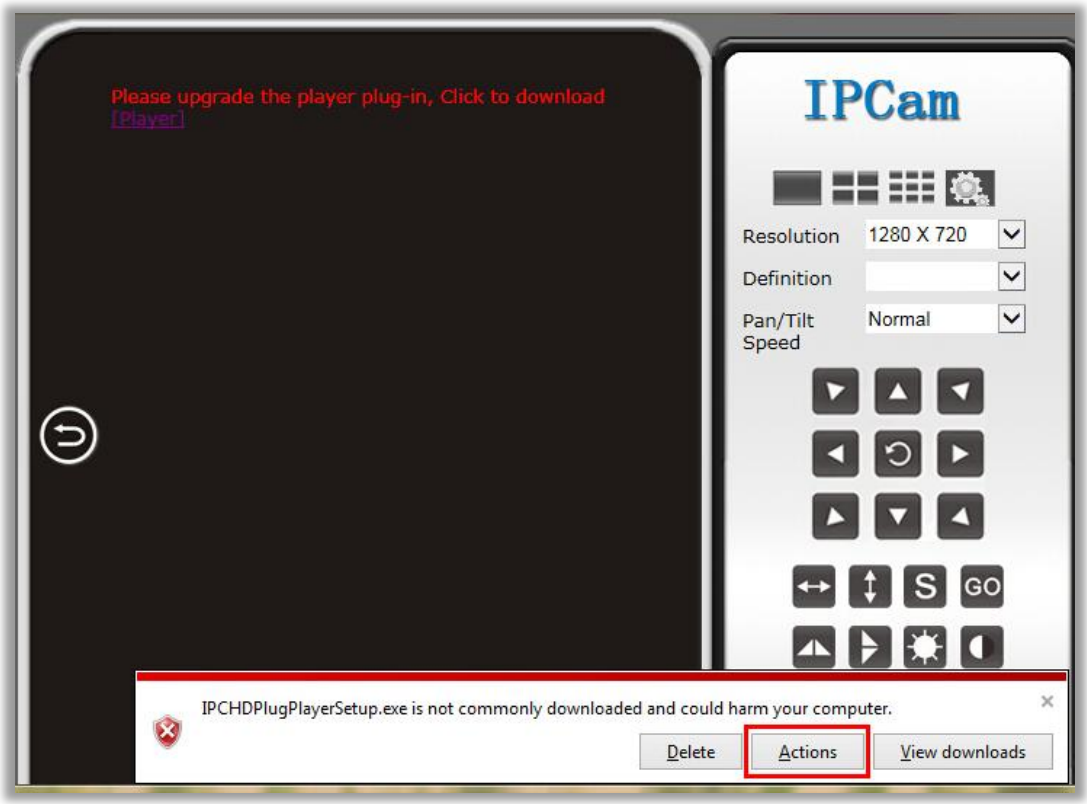


5. Click **OK** and **Player** to download the web browser plug-in running.

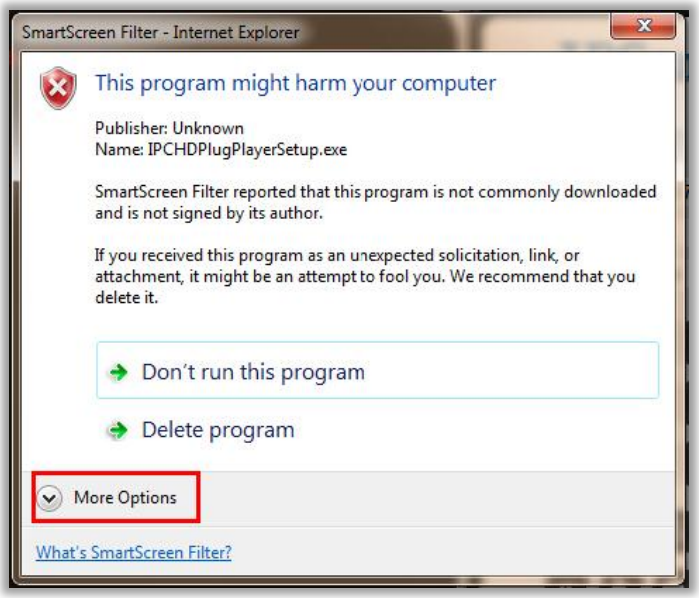


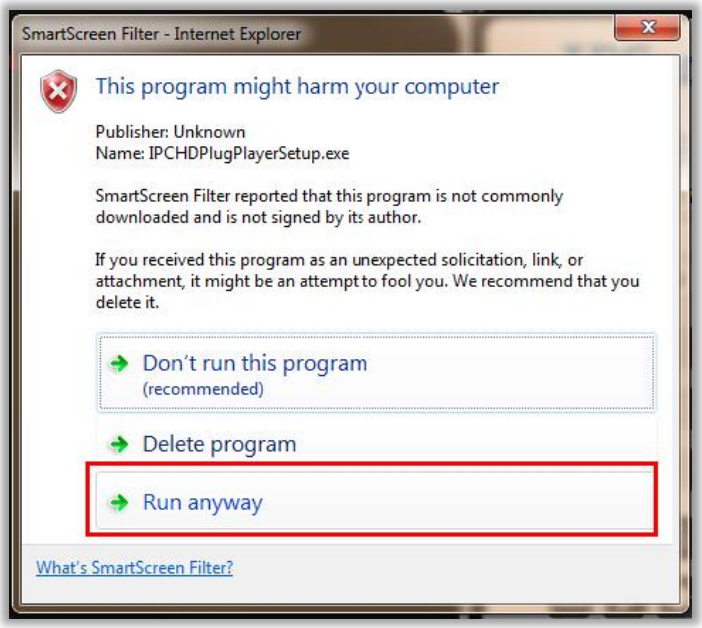
6. Click **Run** to install the plug-in.

7. The web browser will show a warning message, please ignore it. Click **Actions**.



8. Click More options and click **Run anyway** to install the web browser plug-in


SmartScreen Filter - Internet Explorer
This program might harm your computer
Publisher: Unknown
Name: IPCHDPlugPlayerSetup.exe
SmartScreen Filter reported that this program is not commonly downloaded and is not signed by its author.
If you received this program as an unexpected solicitation, link, or attachment, it might be an attempt to fool you. We recommend that you delete it.
Don't run this program
Delete program
More Options
What's SmartScreen Filter?


SmartScreen Filter - Internet Explorer
This program might harm your computer
Publisher: Unknown
Name: IPCHDPlugPlayerSetup.exe
SmartScreen Filter reported that this program is not commonly downloaded and is not signed by its author.
If you received this program as an unexpected solicitation, link, or attachment, it might be an attempt to fool you. We recommend that you delete it.
Don't run this program
(recommended)
Delete program
Run anyway
What's SmartScreen Filter?

4. Then you will see the live video and control panel

Instructions of the buttons of main panel

	Return to the welcome page
	Single camera view mode. For show back to single camera mode from 4 camera view mode or 9 camera view mode.
	4 camera view mode. After set up multiple camera settings, you could view up to 4 cameras by this mode
	9 camera view mode. After set up multiple camera settings, you could view up to 9 cameras by this mode
	Click this button for camera settings
Resolution	Changed the resolution of the video, there are 3 options: 640x480, 320x240 and 160x120.
Definition	Change the video's quailty
Pan/Tilt Speed	Change the speed of the pan/tilt of the camera. There are 5 options: Fastest, Fast, Normal, Slower and Slowest. (only available for the camera with Pan/Tilt)
	There are 8 direction keys and the center button is rotation center. (only available for the camera with Pan/Tilt)
	The horizontal cruise will pan automatically (only available for the camera with Pan/Tilt)
	The vertical cruise will tilt automatically (only available for the camera with Pan/Tilt)
	Set preset position; this camera supports 6 preset positions. What is a preset position? See tips below. (only available for the camera with Pan/Tilt)
	Go a specific preset position you have set (only available for the camera with Pan/Tilt)

	Invert the video horizontally
	Invert the video vertically
	Adjust the brightness of the video
	Adjust the contrast of the video
	Receive audio from the camera (only available for the camera with 2-way audio)
	Send audio to the camera (only available for the camera with 2-way audio)
	Take snapshot with the camera
	Record video to PC, you can change the path in the settings menu

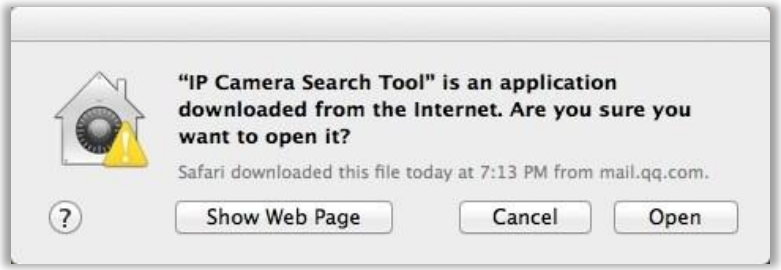
Tips:

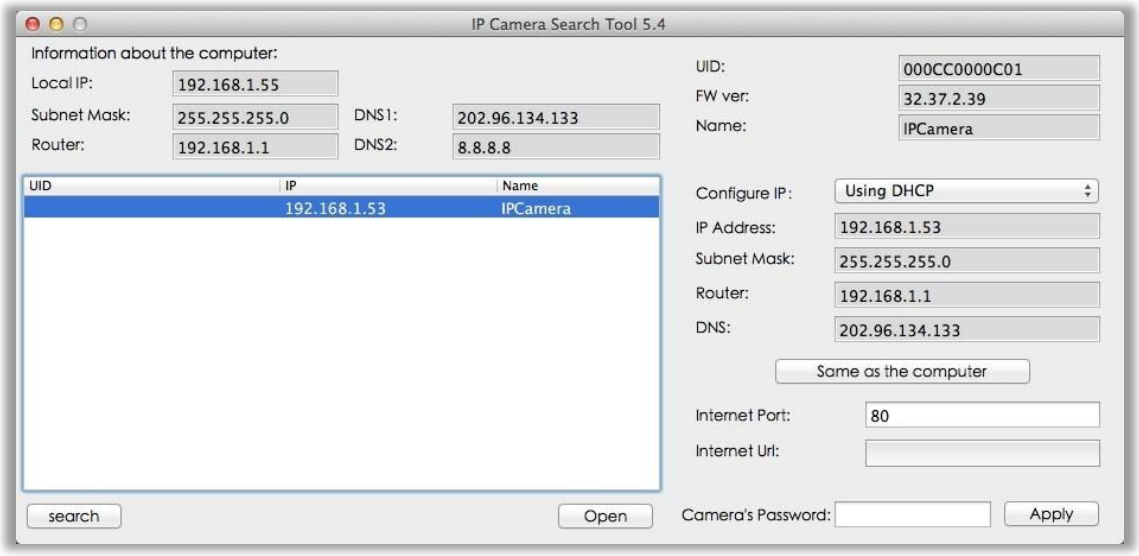
What are preset positions?

Preset positions are IP camera's memorized P/T positions. Once you set a preset position, you do not need to pan the camera to your preferred position. You simply press the preset button that corresponds to the preset you want to see and the camera will move to that position automatically.

Live Video in Mac (Macintosh)

1. Run **IP Camera Search Tool** in CD's Mac folder. Mac will show a warning message that the application is not safe, please ignore the warning and run it anyhow.


"IP Camera Search Tool" is an application downloaded from the Internet. Are you sure you want to open it?
Safari downloaded this file today at 7:13 PM from mail.qq.com.
Show Web Page
Cancel
Open



***Notice:**

If you still could not run the application successfully, please go the last page to find help.

2. Double click the IP camera listed in the camera list to access the camera in web browser, the camera's username and password will be required. The default username is admin. There is no password by default, so leave the password field blank.

To view this page, you must log in to area "IPCamera_Web" on 192.168.1.53:80.
Your password will be sent unencrypted.
Name:
Password:
Remember this password in my keychain
Cancel
Log In

3. Select **Non-IE web Browsers(MJPEG)** and get live video

IPCam | 2014
Ver 1.7.23.21 HD
Welcome to Use IP Camera
Browser plug-ins
Recommended browser plug-in, support for real-time video and audio playback, compatible with Windows platforms common browsers
Non-IE Web Browsers(MJPEG)
For FireFox, Google Chrome, Safari etc.
iPhone, iPod touch and iPad
Mobile Phone (such as Android...)
Browser that supports Javascript.
IE ActiveX Plug-in. Click to download
Language : English

4. Instructions of the buttons of main panel

	Return to the welcome page
Resolution	Changed the resolution of the video, there are 3 options: 640x480, 320x240 and 160x120.
Video FPS	Change the video's FPS, FPS means how many frames each second
Pan/Tilt Speed	Change the speed of the pan/tilt of the camera. There are 5 options: Fastest, Fast, Normal, Slower and Slowest. (only available for the camera with Pan/Tilt)

	There are 8 direction keys and the center button is rotation center. (only available for the camera with Pan/Tilt)
	The horizontal cruise will pan automatically (only available for the camera with Pan/Tilt)
	The vertical cruise will tilt automatically (only available for the camera with Pan/Tilt)
	Set preset position; this camera supports 6 preset positions. What is a preset position? See tips below. (only available for the camera with Pan/Tilt)
	Go a specific preset position you have set (only available for the camera with Pan/Tilt)
	Invert the video horizontally
	Invert the video vertically
	Adjust the brightness of the video
	Adjust the contrast of the video
	Take snapshot with the camera
	Click this button for camera settings

Tips:

What are preset positions?

Preset positions are IP camera's memorized P/T positions. Once you set a preset position, you do not need to pan the camera to your preferred position. You simply press the preset button that corresponds to the preset you want to see and the camera will move to that position automatically.

Camera Settings

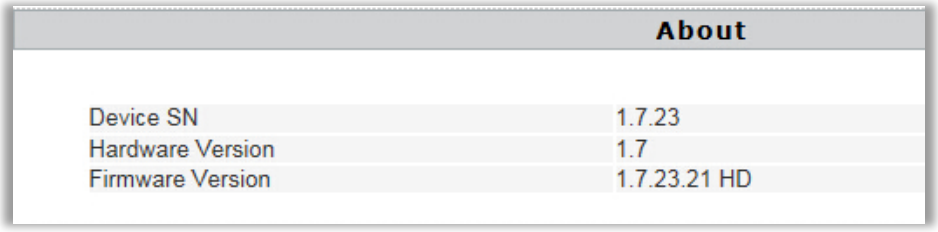
Click this Settings Button for camera Settings.

Notice: Certain functions mentioned in this manual may vary according to camera's model. For example, pan and tilt function are for Pan/Tilt enabled cameras only.

System

About

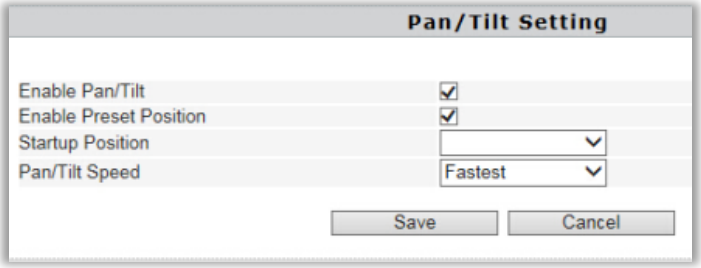
Basic Device Info.



Device SN	The camera's device ID
Hardware Version	Camera's hardware version
Firmware Version	Camera's software version

Pan/Tilt Setting

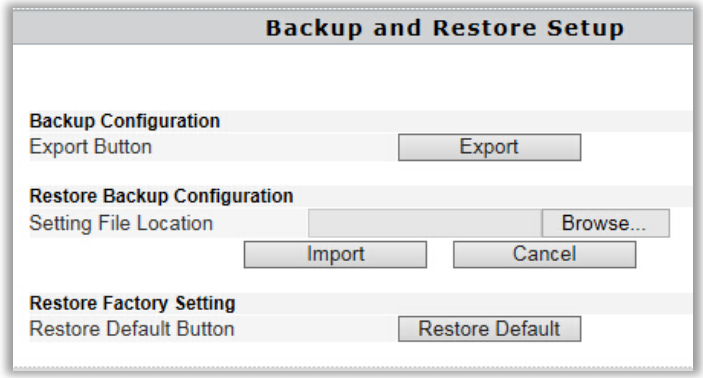
Camera' Pan/Tilt and preset setting (only available for cameras with Pan/Tilt function).



Enable PT	Turn the camera's Pan/Tilt on/off
Enable Preset Position	Turn the camera's preset position on/off
Startup Position	Preset position that the camera will move to after rebooting
PT Speed	Speed for Pan/Tilt which is also the speed for preset movements includes 5 speed options.

Backup and Restore Setup

Save or restore camera configuration.

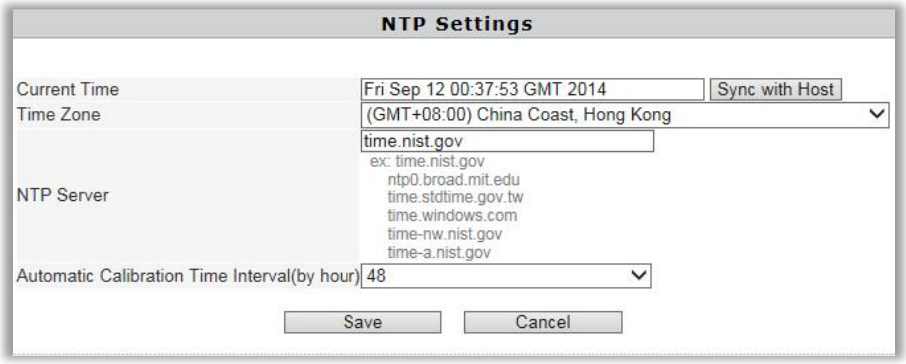


Backup Configuration	Keep the camera settings as a backup file. Download the appeared box IPCamera_Settings.dat and save it on your computer in case you need to restore your previous settings.
Restore Backup Configuration	Click Browse to restore the backup settings which has been saved in advance to restore the previous configuration.

Restore Factory Setting	Reset the camera to default factory settings

NTP Setting

Camera's time setting



Current Time	Camera's time and you can click Sync With Host to match it to your computer's time
Time Zone	Time zone of the place that the camera is located
NTP Server	Time server of the network which is connected with the camera
Automatic Calibration Time Interval(by hour)	Intervals for the camera to correct the time with its own connected network.

Tips:

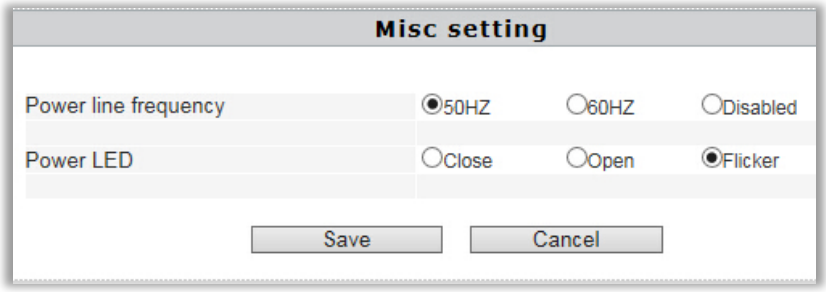
1. Since the camera has no built in battery, the time saved in its memory may be lost when the camera reboots and reset to 1970.01.01. This will not affect the alarm schedule, since the exact alarm time will be synced from the Internet. You just need to reconnect the network to correct the camera's time manually.

2. What is NTP server?

NTP server is a server computer that reads the actual time from a reference clock and distributes this information to its clients using network. Your camera will get the exact time through an NTP sever by offering the time zone of its location.

Misc Setting

Camera's some Miscellaneous Settings

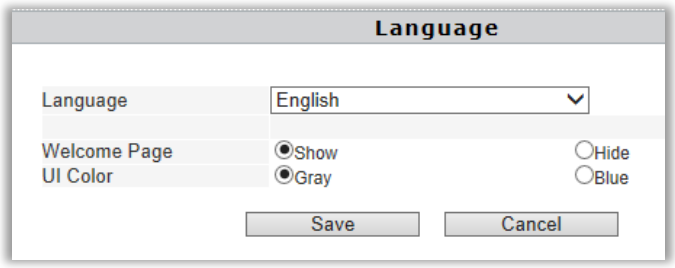


Power line frequency	Select the correct power frequency to avoid video flashing, adjust

	the options, if your video flickering
Power LED	The status of front green LED

Language

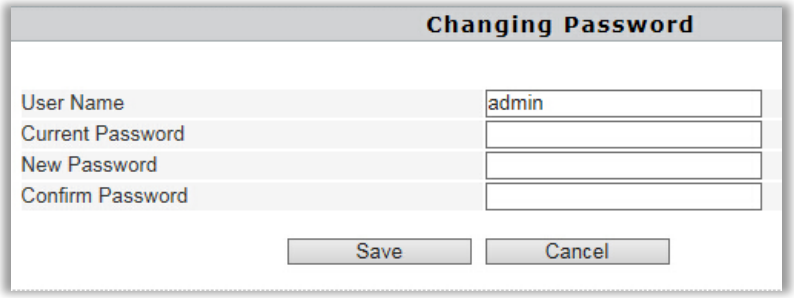
To set camera's language and other appearance settings.



Language	To choose from different languages
Welcome Page	To select the welcome page
UI Color	To pick the color for the whole interface

Change Password

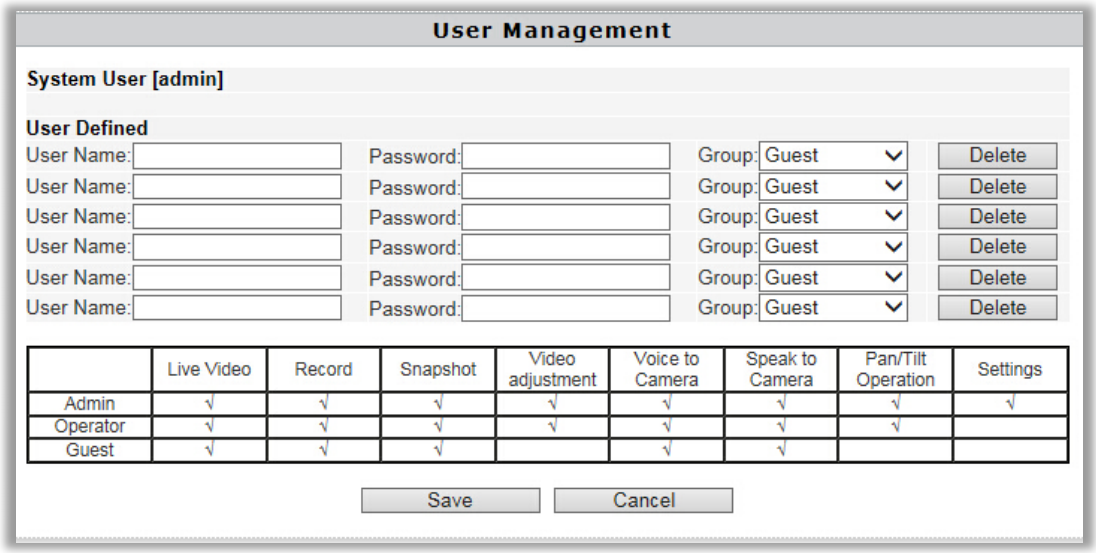
To update the camera's username and password.



User Name	This camera's username
Current Password	To confirm the current password
New Password	To fill in the camera's new password
Confirm Password	Fill in the new password to confirm the change

System User

Adding and updating user accounts


User Management
System User [admin]
User Defined
User Name: Password: Group: Guest Delete
Live Video Record Snapshot Video adjustment Voice to Camera Speak to Camera Pan/Tilt Operation Settings
Admin √ √ √ √ √ √ √ √
Operator √ √ √ √ √ √ √
Guest √ √ √ √ √
Save Cancel

Defined user contains three different user levels.

Different access is granted to different user levels as specified in the following sheet.

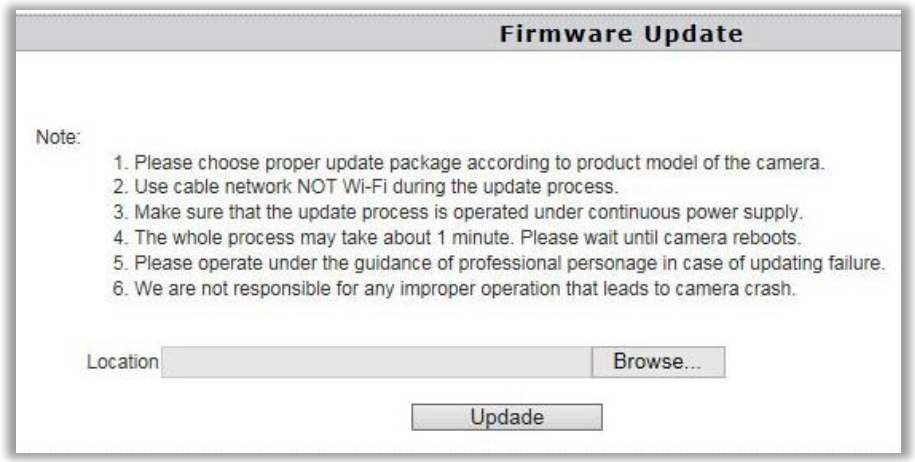
	Live Video	Record	Snapshots	Video adjustment	Sound	Talkback	PT operation	Settings
Admin	√	√	√	√	√	√	√	√
Operator	√	√	√	√	√	√	√	×
Guest	√	√	√	×	√	√	×	×

Tips:

PT operation is only available for cameras with Pan/Tilt.

Update

Update the device to the latest firmware version.


Firmware Update
Note:
1. Please choose proper update package according to product model of the camera.
2. Use cable network NOT Wi-Fi during the update process.
3. Make sure that the update process is operated under continuous power supply.
4. The whole process may take about 1 minute. Please wait until camera reboots.
5. Please operate under the guidance of professional personage in case of updating failure.
6. We are not responsible for any improper operation that leads to camera crash.
Location Browse...
Updade

Notice:

1. Please choose proper update package for your camera model.
2. Use an Ethernet cable NOT WI-FI to connect to your camera during the update process.
3. Make sure that the camera is not unplugged during the update process.

4. The whole process may take about 2-3 minute. Please wait until camera reboots.
5. Please unzip the file to bin document and then update the firmware with it.
6. We are not responsible for any improper update attempts that lead to camera crash.

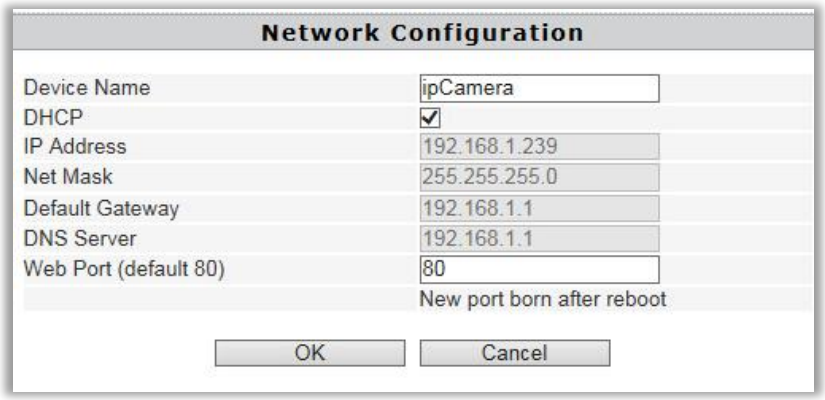
Reboot

Press reboot button to restart the camera.

Network

IP Config

The Camera's Basic Network Settings



Device Name	Camera's display name which is set to distinguish from other devices on your network
DHCP	Enable or disable obtaining IP address from DHCP server automatically. If it is enabled, IP address and other items cannot be changed manually.
IP Address	Camera's local network IP address, which is used to view the camera in the same local area network. Specify a unique IP address for your network camera.
Net Mask	Specify the mask for the subnet the network camera is located on
Default Gateway	Specify the IP address of the default gateway (router) used for connecting devices attached to different networks and network segments
DNS Server	DNS (Domain Name Service) provides the translation of host names to IP addresses of your network
Web Port	Camera's communications port which is set to send video and audio data

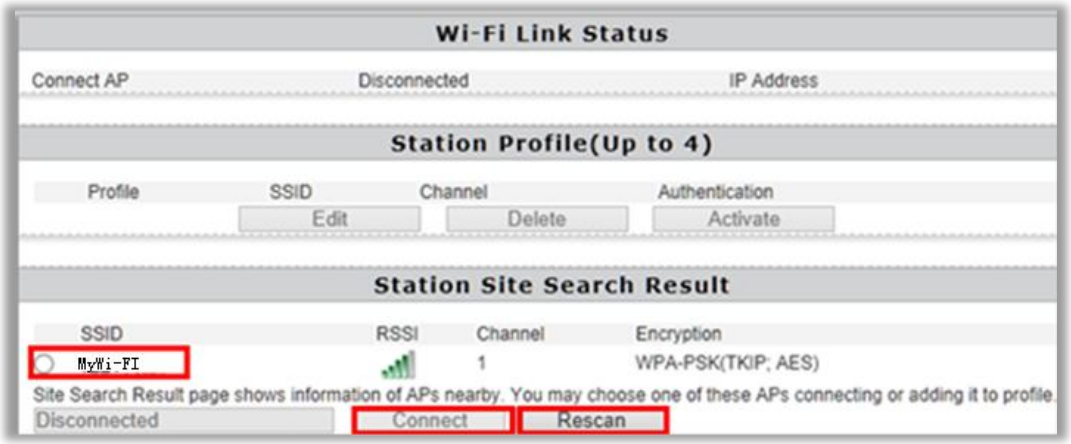
Wi-Fi

Configuring WI-FI connection

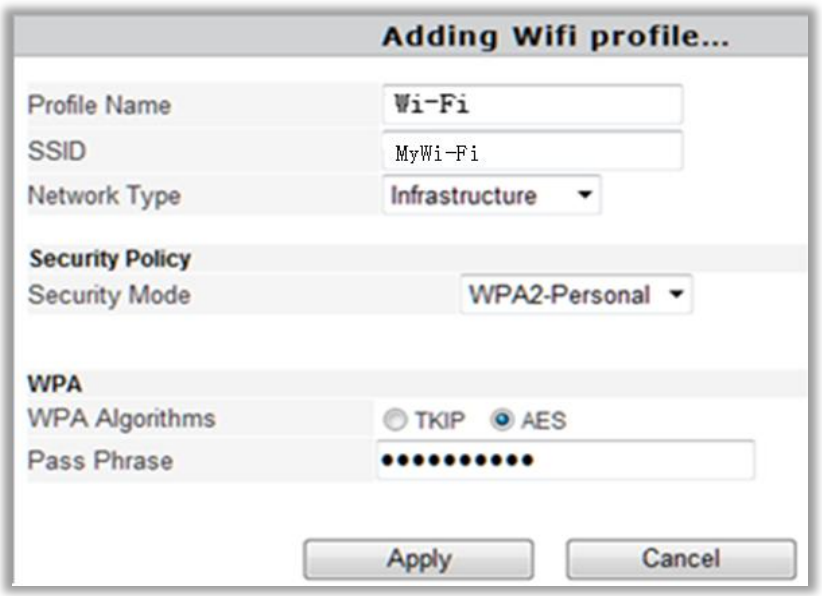
Station Site Search Result	All the nearby wireless signals visible to the camera
Station Profile(Up to 4)	Select the wireless signal and add it to Station Profile. Then you can switch your preferred wireless network easily.
WI-FI Link Status	Check and change wireless network status

Set up Wi-Fi connection

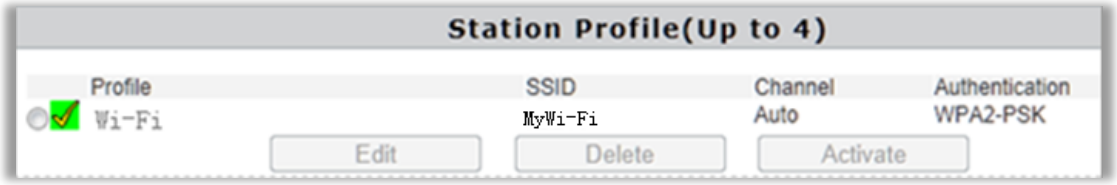
1. Click **Rescan** to search Wi-Fi signal around the camera
2. Select the Wi-Fi SSID you want to connect and click **Connect**



3. Enter the password of your Wi-Fi network and click **Apply**.



4. Pick the wireless network added in Station Profile (Up to 4) and click Activate.



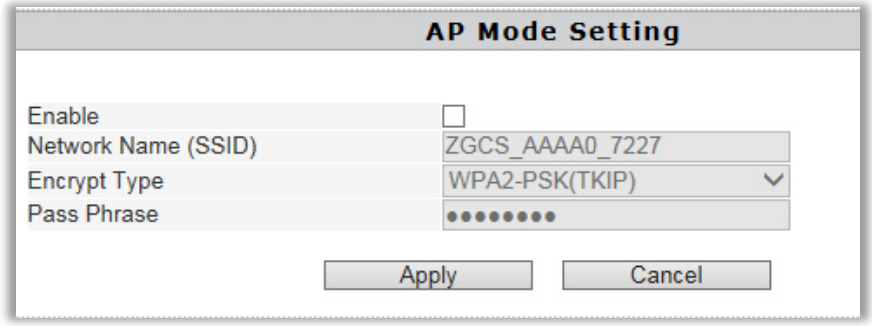
5. Wireless network is connected if it appears ✓.

   Wireless network is disconnected if it shows ✓. Please pick Edit to reset the network configuration or pick Delete to get back to the first step.

Tips:

4 Wi-Fi profiles at most could be saved in the camera. If you want to enable one Wi-Fi network manually, select the Wi-Fi profile and click **Activate** to enable it manually. If the camera could not connect to the manual enabled Wi-Fi, the camera will try to connect the Wi-Fi network with other Wi-Fi profiles.

AP Mode Setting



If you do not have network cable or you could not access your router's LAN port, you could

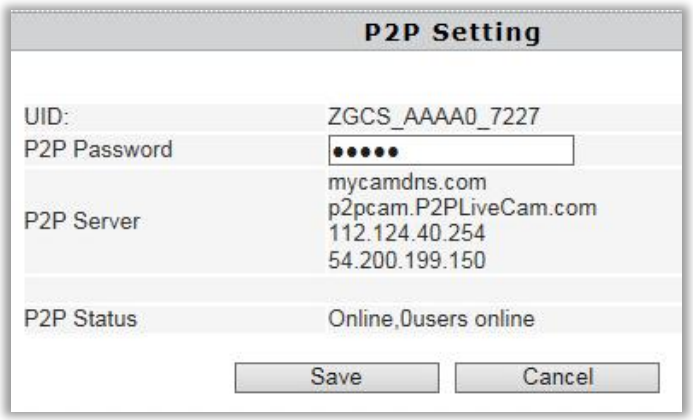
connect the IP camera point to point by **AP mode** and then set up Wi-Fi.
If no network cable or Wi-Fi connected, the camera will be in **Wi-Fi Setting Mode** for 90 seconds after booting. After 90 seconds' **Wi-Fi Setting Mode**, the camera will reboot and be in **AP Mode** automatically. When the camera in **AP mode**, the indicator will flicker, indicator will be on 1.5 second and off 0.3 second in each flickering period. Then connect the camera's Wi-Fi signal of **Network Name (SSID)** by your PC with wireless adapter, run search tool and then set up Wi-Fi in web browser. For more details of Search Camera and Set up Wi-Fi connection, please check the manual above.

Notice:

1. For security concern, enter a password is necessary.
2. The camera will disconnect Wi-Fi after enable AP mode.

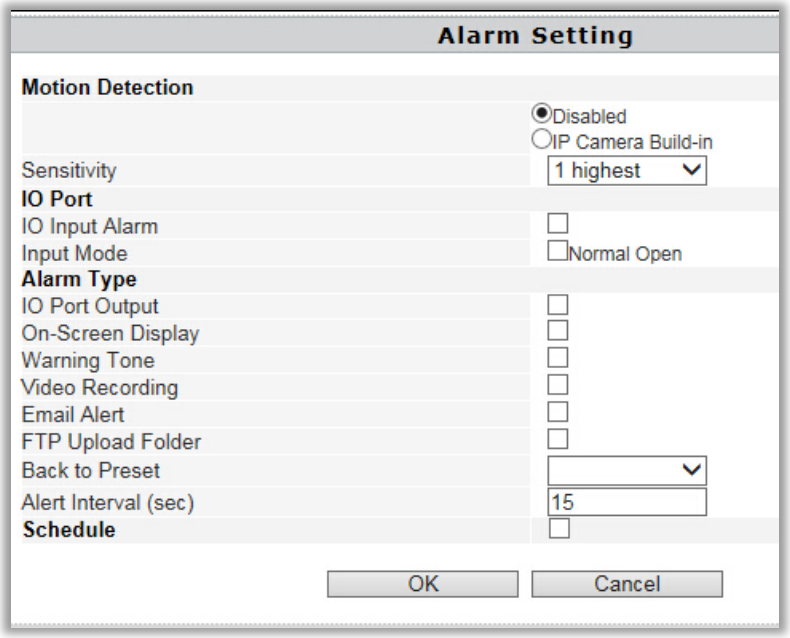
P2P Setting

Change P2P password, P2P password is used to view the camera's live video by mobile device. The default P2P password is **8888**.



Alarm Setting

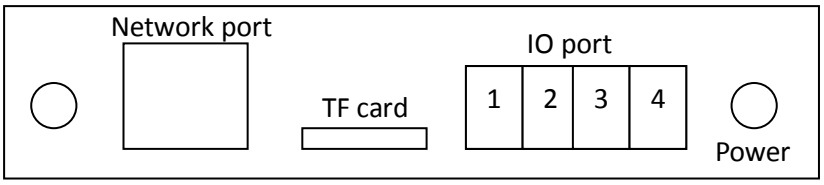
Alarm Setting



Motion Detection	Enable or disable the motion detection alarm
Sensitivity	The sensitivity of the motion detection alarm which contains 5 levels.
IO Input Alarm	Enable alarm input detection
Input Mode	*Select the input mode.
IO Port Output	*Output 5V with 300mA max
On-Screen Display	Notice on the screen during motion detection alarm which is only available in IE browser.
Warning Tone	Alarm voice when the camera detects moving objects which is only available for IE browser.
Video Recording	Records to the computer when the camera detects moving objects and this function only works in web browser live page.
Email Alert	Sending alarm pictures to the specified email when the camera detects the movements
FTP Upload Folder	Sending alarm pictures to FTP server set in advance when the camera detects movement.
Back to Preset	Moves camera to a preset position once the camera detects moving objects (this is only available for Pan/Tilt IP camera).
Alert Interval (sec)	Unit of time for periodic motion detection alarm which includes picture and video alarm.
Schedule	Specified motion detection period with 15 minutes a unit and one week per cycle.

Tips:

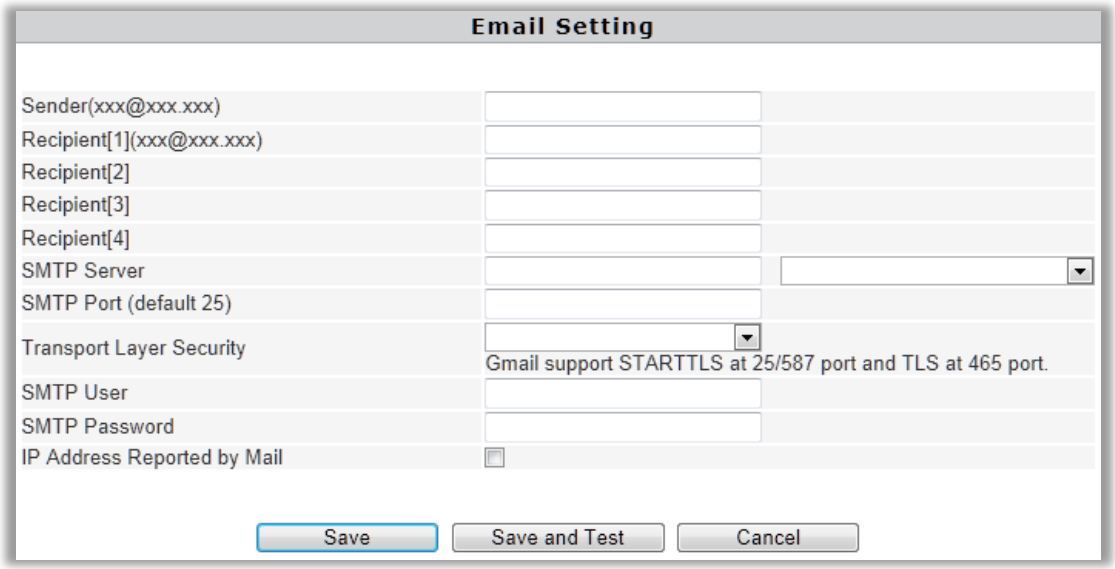
IO Port definition:



1. Out (5V with 300mA max)
2. VCC 5V
3. Input
4. GND

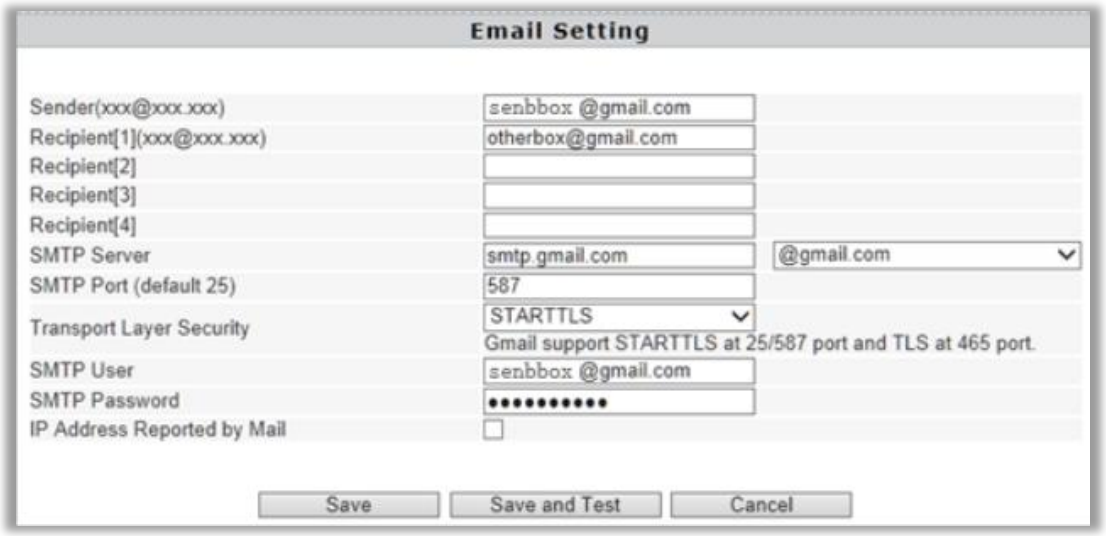
Email Setting

Once the motion detection alarm is enabled, camera will send snapshots to the specified email when it detects the moving objects. There will be six emails per time and one picture per email.



Sender(xxx@xxx.xxx)	Email address for sending the alarm email
Recipient[1](xxx@xxx.xxx)	1st email address for receiving the alarm email
Recipient[2]	2nd email address for receiving the alarm email
Recipient[3]	3rd email address for receiving the alarm email
Recipient[4]	4th email address for receiving the alarm email
SMTP Server	Sending emails provider ‘s SMTP server address
SMTP Port (default 25)	Service port of SMTP server
Transport Layer Security	Encryption protocol of SMTP Server
SMTP User	Sender email’s login username
SMTP Password	Sender email’s login password
IP Address Reported by Mail	Sending the camera’s external access URL to the recipient’s email

E-mail Alarm Configuration



Sender is your own email address. Since common email providers have a better service experience and the built-in email provider SMTP servers are easier to set up, you are strongly advised to use Gmail, Yahoo and other common email services as the sender email.

Recipient is the email to accept the email alerts and we suggest that you make it a different email from the sender email.

SMTP Server: The SMTP (short for Simple Mail Transfer Protocol) works like a post assistant, handling the sending of emails from the camera to an email server. SMTP Server receives outgoing mail messages from users to the mail recipients they are intended for.

If your sender email provider is a public server, you can search the IP address of the email provider's SMTP server or DDNS from Google.

If your sender email provider is a private one, you can consult with the email provider's customer service.

SMTP Port: Service port of SMTP server which you can get with the above procedure

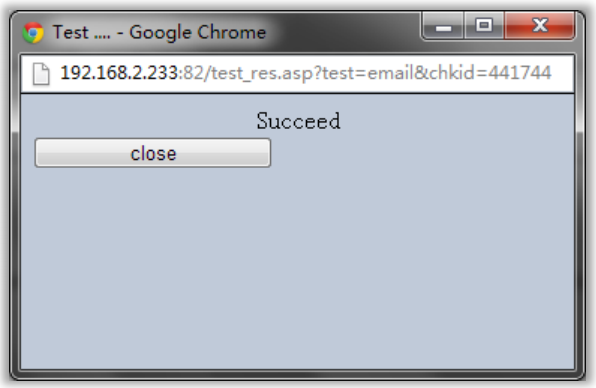
Transport Layer Security: Encryption protocol of SMTP Server and you can also get it from the above procedure

SMTP User: The account you use to login to the SMTP server which is also the sender email address

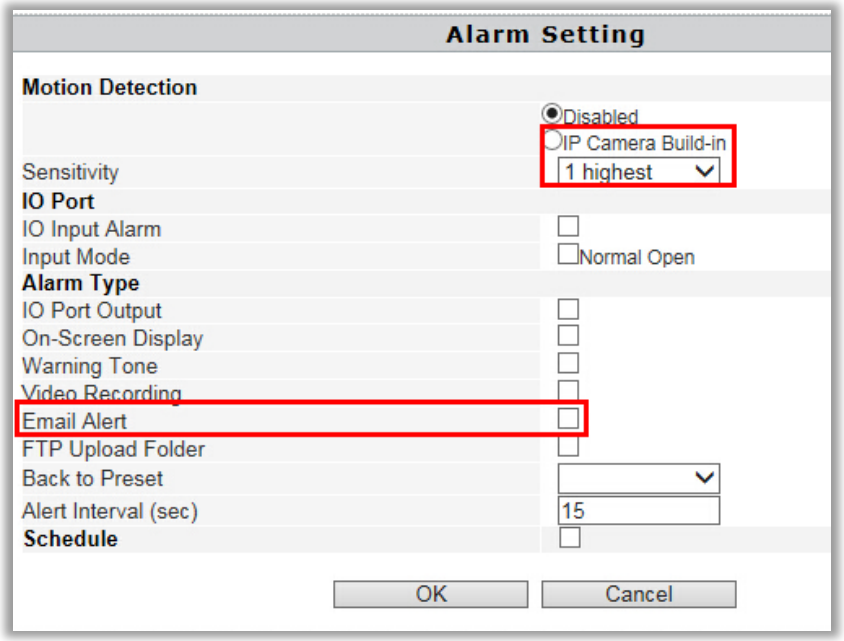
SMTP Password: The password you use to login to the SMTP server which is also the sender email password

IP Address Reported by Mail: Once it is triggered, the latest external IP address will be sent to recipient's email as soon as the camera's WAN IP address changes.

Then click Save and Test. Once it says Success that means the camera has set up e-mail settings.



Go back to alarm settings and enable **Email Alert** to finfish the whole e-mail alert settings.



Notice:

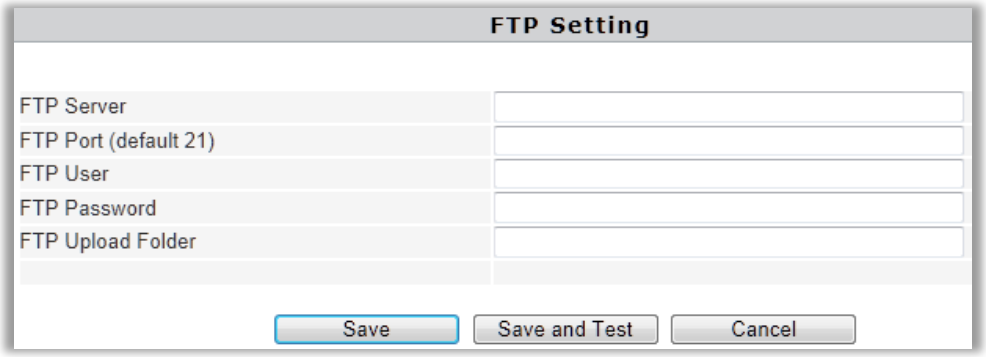
1. Please check the basic network settings of the camera if it failed the test, go back to Basic Operation for reference
2. There might be some delay for motion detection alarm since it is related to the network condition and the service quality of the sender email's provider. Thus it is beyond the control of IP camera.
3. If you still can not receive any email alert after getting the test email, please check your spam box and add your sender email address in the trust list of the recipient email once your find it in spam.

Tips:

The email alert is sent via sender email's provider server which is an SMTP server. Once the camera signs in to the SMTP server, the email alert will be delivered to the recipient email after getting SMTP server's authentication. Therefore, the sender email, recipient email and the SMTP server are all required.

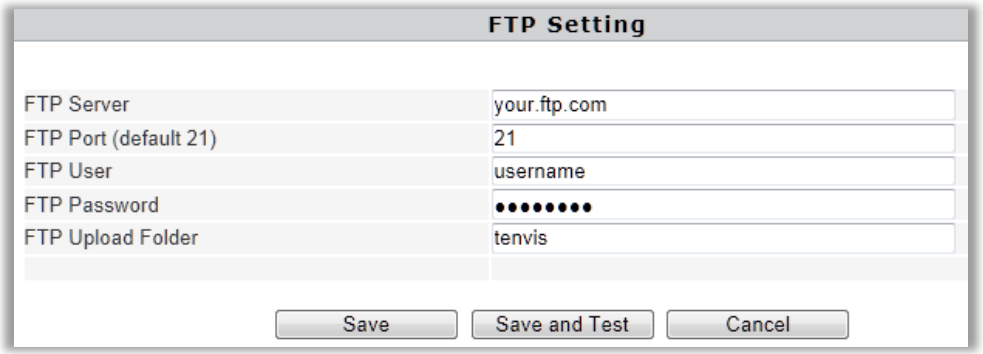
FTP Setting

FTP, short for File Transfer Protocol, is used to transfer files between computers on a network. You can upload camera's alarm snapshots to your FTP storage. Thus, there is no need to keep the computer on when the motion detection alarm is triggered.

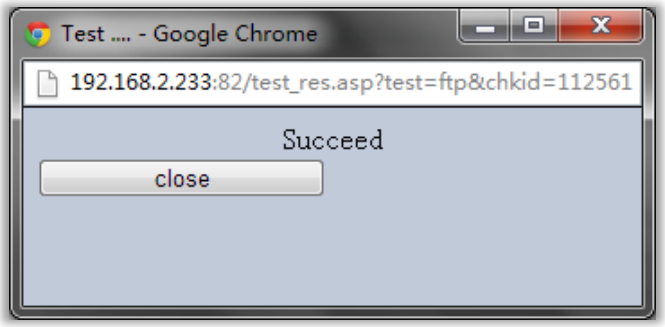


FTP Server	FTP server's address
FTP Port (default 21)	FTP server's port
FTP User	FTP server's username
FTP Password	FTP server's password
FTP Upload Folder	FTP server's subdirectory. Keep it blank if there is no subdirectory

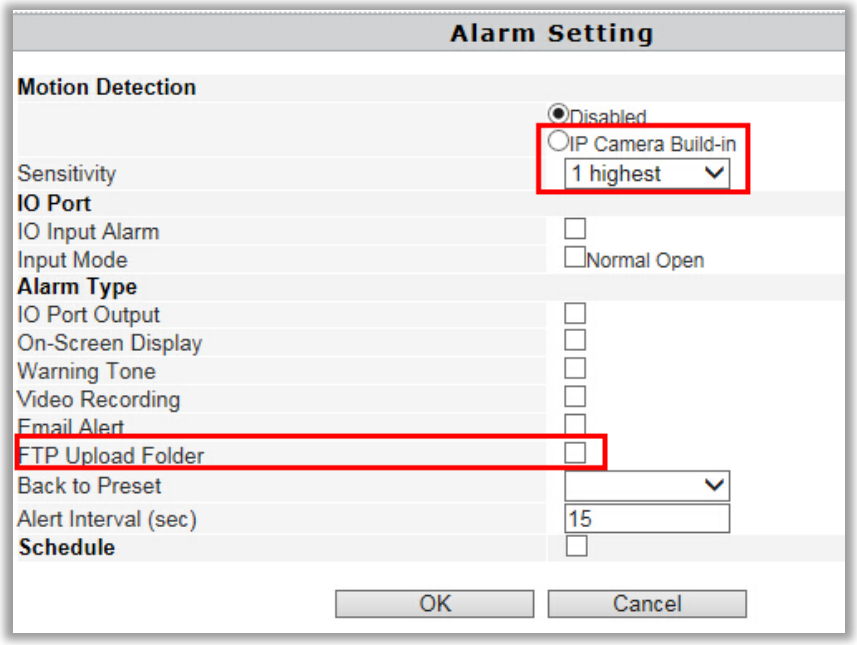
FTP Alarm Configuration



FTP Server: FTP server's IP address and DNS which could be required from FTP server provider.
FTP Port: Communication port of FTP server and the default port is 21.
FTP User: Username for you to sign in FTP server which could be required from FTP server provider.
FTP Password: Password for you to login FTP server which could be required from FTP server provider.
FTP Upload Folder: File address in FTP server in which to save the alarm pictures. If it is left blank, the pictures will be kept in FTP's root directory.
Then click Save and Test. Once it says "Success" that means the camera has set FTP settings successfully.



Go back to alarm settings and enable **FTP Upload Folder** to finfish the whole e-mail alert settings.

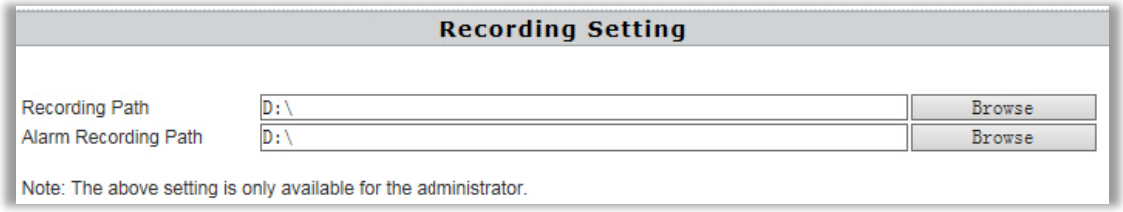


Notice:

1. Please check the basic network settings of the camera if failed in test, go back to Basic Operation for reference
2. FTP server is offered by FTP provider. We does not provide FTP service. Web Hosting usually supports FTP.
3. Please make sure the camera is authorized to upload alarm pictures. For detailed information, please consult with the FTP server provider.

Recording

Recording and alarm recording are only available for IE browser.



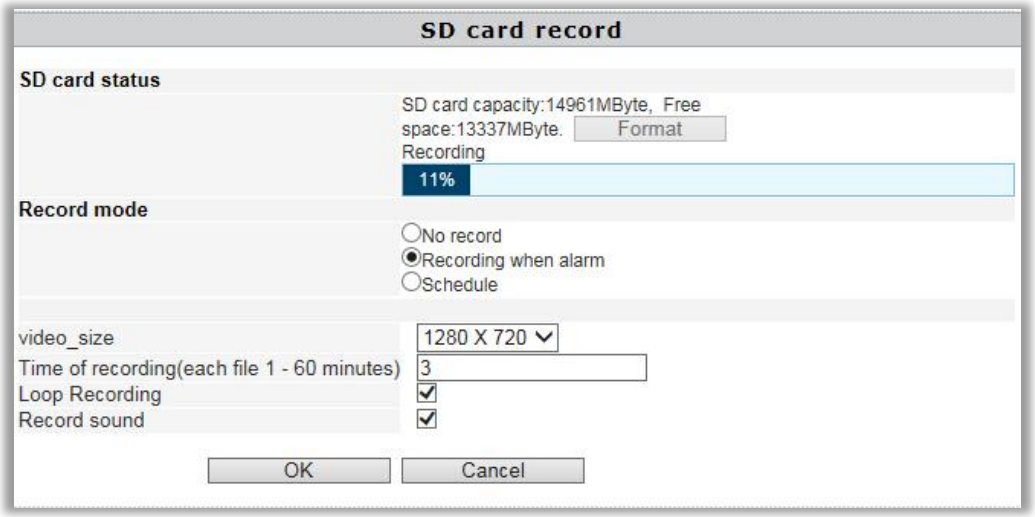
Recording Path	Camera’s destination folder to record to
Alarm Recording Path	Camera’s alarm recording destination folder

Notice:
If it does not work, please run IE as administrator. Right click IE browser and pick Run as Administrator

Record SD card

Rec Settings

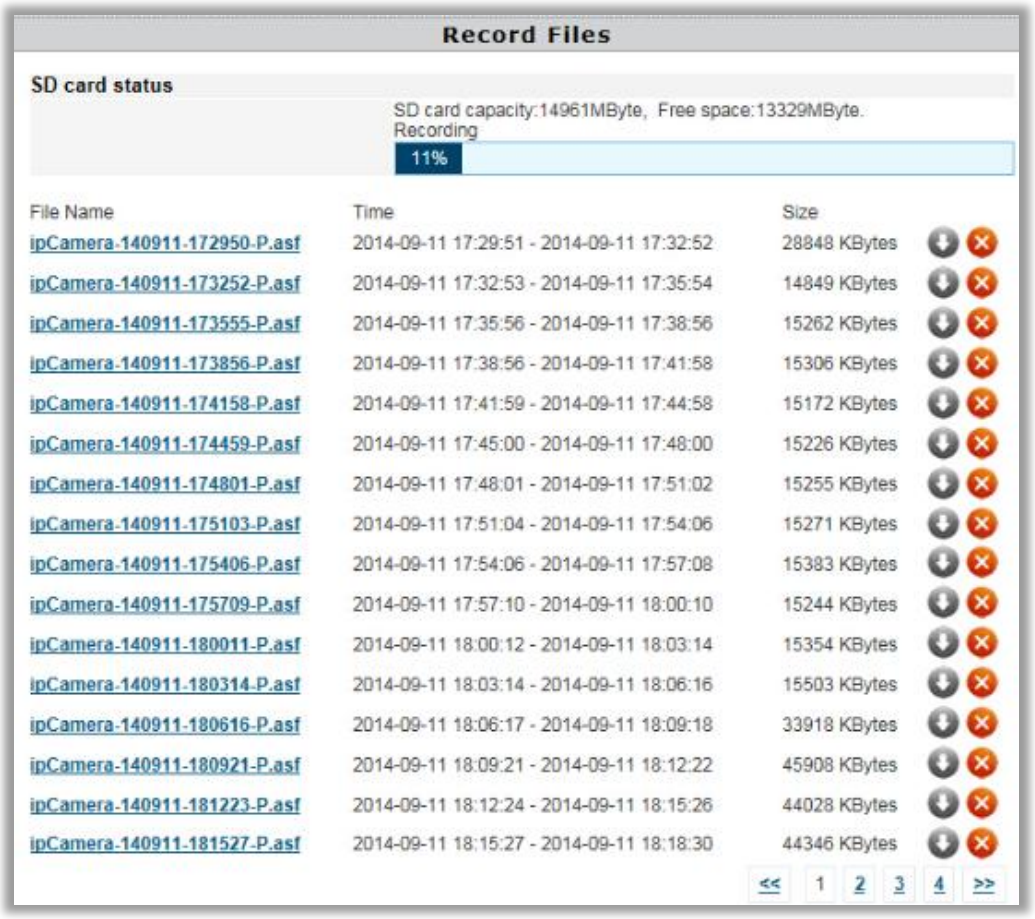
Enable or disable SD card record



SD card Status	The SD card’s free space and total space
Record mode	Recording when alarm or by Schedule
Video Size	Choose the record quality
Time of Recording	Set the record time length
Loop Recording	Whether delete the oldest record files if the SD card is almost full
Record Sound	Enable record sound

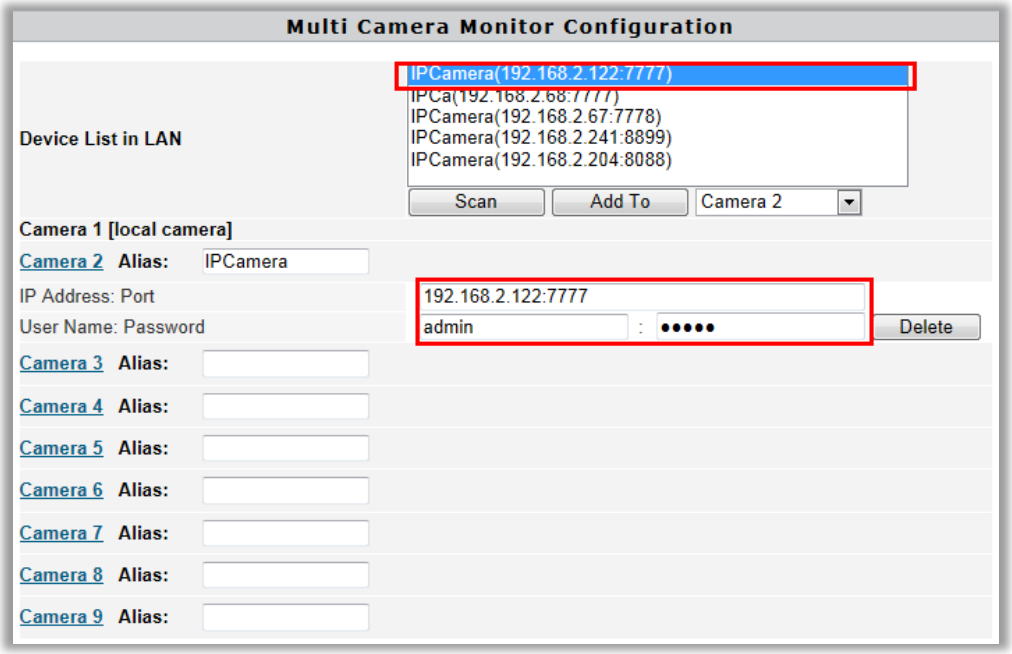
Rec Files

Check the record files in the SD card



Click to download the record file and click to delete the record file.

Multi Camera Monitor Configuration



Device List in LAN	IP camera in your local network
Alias:	Camera's name
IP Address: Port	Camera's IP address and port or you can fill in DDNS instead.
User Name: Password	Camera's username and password

Attached List

Run application out of App Store in Mac

If your MAC OS could not run **IP Camera Search Tool** in Mac, it should be the security system forbit you run application not from App Store. You could set it in **System Performatnce**.

1. Select **Security & Privacy** in **System Performance**.

2. Allow applications downloaded from anywhere.

Security & Privacy
Show All
General
FileVault
Firewall
Privacy
A login password has been set for this user
Change Password...
Require password
immediately
after sleep or screen saver begins
Show a message when the screen is locked
Set Lock Message...
Disable automatic login
Allow applications downloaded from:
Mac App Store
Mac App Store and identified developers
Anywhere
Click the lock to prevent further changes.
Advanced...
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